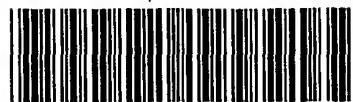


05/20
05/23
#4



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/039,876A

DATE: 05/21/2002
TIME: 10:05:35

Input Set : A:\97-63C1 SEQ.txt
Output Set: N:\CRF3\05212002\J039876A.raw

ENTERED

3 <110> APPLICANT: Conklin, Darrell C.
4 Blumberg, Hal
8 <120> TITLE OF INVENTION: A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219A
11 <130> FILE REFERENCE: 97-63C1
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/039,876A
C--> 13 <141> CURRENT FILING DATE: 2001-10-26
13 <150> PRIOR APPLICATION NUMBER: US 60/061,712
14 <151> PRIOR FILING DATE: 1997-10-06
16 <150> PRIOR APPLICATION NUMBER: US 09/167,513
17 <151> PRIOR FILING DATE: 1998-10-06
19 <160> NUMBER OF SEQ ID NOS: 28
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 876
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
28 <220> FEATURE:
29 <221> NAME/KEY: CDS
30 <222> LOCATION: (119)...(823)
32 <400> SEQUENCE: 1
33 gcccggccct gcccggacacg accgctgccc gccccttgcc ttcctgaccc aggggctccg 60
34 ctggctcggt tcgcctggga gctgcccggca gggccaggag gggagcggca cctgaaag 118
35 atg cgc cca ttg gct ggt ggc ctg ctc aag gtg gtg ttc gtg gtc ttc 166
36 Met Arg Pro Leu Ala Gly Gly Leu Leu Lys Val Val Val Phe Val Val Phe
37 1 5 10 15
39 gcc tcc ttg tgt gcc tgg tat tcg ggg tac ctg ctc gca gag ctc att 214
40 Ala Ser Leu Cys Ala Trp Tyr Ser Gly Tyr Leu Leu Ala Glu Leu Ile
41 20 25 30
43 cca gat gca ccc ctg tcc agt gct gcc tat agc atc cgc agc atc ggg 262
44 Pro Asp Ala Pro Leu Ser Ser Ala Ala Tyr Ser Ile Arg Ser Ile Gly
45 35 40 45
47 gag agg cct gtc ctc aaa gct cca gtc ccc aaa agg caa aaa tgt gac 310
48 Glu Arg Pro Val Leu Lys Ala Pro Val Pro Lys Arg Gln Lys Cys Asp
49 50 55 60
51 cac tgg act ccc tgc cca tct gac acc tat gcc tac agg tta ctc agc 358
52 His Trp Thr Pro Cys Pro Ser Asp Thr Tyr Ala Tyr Arg Leu Leu Ser
53 65 70 75 80
55 gga ggt ggc aga agc aag tac gcc aaa atc tgc ttt gag gat aac cta 406
56 Gly Gly Arg Ser Lys Tyr Ala Lys Ile Cys Phe Glu Asp Asn Leu
57 85 90 95
59 ctt atg gga gaa cag ctg gga aat gtt gcc aga gga ata aac att gcc 454
60 Leu Met Gly Glu Gln Leu Gly Asn Val Ala Arg Gly Ile Asn Ile Ala
61 100 105 110

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/039,876A

DATE: 05/21/2002
TIME: 10:05:35

Input Set : A:\97-63C1 SEQ.txt
Output Set: N:\CRF3\05212002\J039876A.raw

63	att gtc aac tat gta act ggg aat gtg aca gca aca cga tgt ttt gat	502
64	Ile Val Asn Tyr Val Thr Gly Asn Val Thr Ala Thr Arg Cys Phe Asp	
65	115 120 125	
67	atg tat gaa ggc gat aac tct gga ccg atg aca aag ttt att cag agt	550
68	Met Tyr Glu Gly Asp Asn Ser Gly Pro Met Thr Lys Phe Ile Gln Ser	
69	130 135 140	
71	gct gct cca aaa tcc ctg ctc ttc atg gtg acc tat gac gac gga agc	598
72	Ala Ala Pro Lys Ser Leu Leu Phe Met Val Thr Tyr Asp Asp Gly Ser	
73	145 150 155 160	
75	aca aga ctg aat aac gat gcc aag aat gcc ata gaa gca ctt gga agt	646
76	Thr Arg Leu Asn Asn Asp Ala Lys Asn Ala Ile Glu Ala Leu Gly Ser	
77	165 170 175	
79	aaa gaa atc agg aac atg aaa ttc agg tct agc tgg gta ttt att gca	694
80	Lys Glu Ile Arg Asn Met Lys Phe Arg Ser Ser Trp Val Phe Ile Ala	
81	180 185 190	
83	gca aaa ggc ttg gaa ctc cct tcc gaa att cag aga gaa aag atc aac	742
84	Ala Lys Gly Leu Glu Leu Pro Ser Glu Ile Gln Arg Glu Lys Ile Asn	
85	195 200 205	
87	cac tct gat gct aag aac aac aga tat tct ggc tgg cct gca gag atc	790
88	His Ser Asp Ala Lys Asn Arg Tyr Ser Gly Trp Pro Ala Glu Ile	
89	210 215 220	
91	cag ata gaa ggc tgc ata ccc aaa gaa cga agc tgacactgca gggccctgag	843
92	Gln Ile Glu Gly Cys Ile Pro Lys Glu Arg Ser	
93	225 230 235	
95	taaatgtt ctgtataaac aaatgcagct gga	876
97	<210> SEQ ID NO: 2	
98	<211> LENGTH: 235	
99	<212> TYPE: PRT	
100	<213> ORGANISM: Homo sapiens	
102	<400> SEQUENCE: 2	
103	Met Arg Pro Leu Ala Gly Gly Leu Leu Lys Val Val Phe Val Val Phe	
104	1 5 10 15	
105	Ala Ser Leu Cys Ala Trp Tyr Ser Gly Tyr Leu Leu Ala Glu Leu Ile	
106	20 25 30	
107	Pro Asp Ala Pro Leu Ser Ser Ala Ala Tyr Ser Ile Arg Ser Ile Gly	
108	35 40 45	
109	Glu Arg Pro Val Leu Lys Ala Pro Val Pro Lys Arg Gln Lys Cys Asp	
110	50 55 60	
111	His Trp Thr Pro Cys Pro Ser Asp Thr Tyr Ala Tyr Arg Leu Leu Ser	
112	65 70 75 80	
113	Gly Gly Gly Arg Ser Lys Tyr Ala Lys Ile Cys Phe Glu Asp Asn Leu	
114	85 90 95	
115	Leu Met Gly Glu Gln Leu Gly Asn Val Ala Arg Gly Ile Asn Ile Ala	
116	100 105 110	
117	Ile Val Asn Tyr Val Thr Gly Asn Val Thr Ala Thr Arg Cys Phe Asp	
118	115 120 125	
119	Met Tyr Glu Gly Asp Asn Ser Gly Pro Met Thr Lys Phe Ile Gln Ser	
120	130 135 140	
121	Ala Ala Pro Lys Ser Leu Leu Phe Met Val Thr Tyr Asp Asp Gly Ser	

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/039,876A

DATE: 05/21/2002

TIME: 10:05:35

Input Set : A:\97-63C1 SEQ.txt

Output Set: N:\CRF3\05212002\J039876A.raw

122 145 150 155 160
123 Thr Arg Leu Asn Asn Asp Ala Lys Asn Ala Ile Glu Ala Leu Gly Ser
124 165 170 175
125 Lys Glu Ile Arg Asn Met Lys Phe Arg Ser Ser Trp Val Phe Ile Ala
126 180 185 190
127 Ala Lys Gly Leu Glu Leu Pro Ser Glu Ile Gln Arg Glu Lys Ile Asn
128 195 200 205
129 His Ser Asp Ala Lys Asn Asn Arg Tyr Ser Gly Trp Pro Ala Glu Ile
130 210 215 220
131 Gln Ile Glu Gly Cys Ile Pro Lys Glu Arg Ser
132 225 230 235
134 <210> SEQ ID NO: 3
135 <211> LENGTH: 3
136 <212> TYPE: PRT
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Motif 1, corresponding to residues 127 to 129 of
141 SEQ ID NO:2
143 <400> SEQUENCE: 3
144 Phe Asp Met
145 1
147 <210> SEQ ID NO: 4
148 <211> LENGTH: 3
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Motif 2, corresponding to residues 156 to 158 of
154 SEQ ID NO:2
156 <400> SEQUENCE: 4
157 Tyr Asp Asp
158 1
160 <210> SEQ ID NO: 5
161 <211> LENGTH: 3
162 <212> TYPE: PRT
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Motif 3, corresponding to residues 174 to 176 of
167 SEQ ID NO:2
169 <400> SEQUENCE: 5
170 Leu Gly Ser
171 1
173 <210> SEQ ID NO: 6
174 <211> LENGTH: 3
175 <212> TYPE: PRT
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Motif 4, corresponding to residues 188 to 190 of
180 SEQ ID NO:2
182 <400> SEQUENCE: 6

RAW SEQUENCE LISTING DATE: 05/21/2002
PATENT APPLICATION: US/10/039,876A TIME: 10:05:35

Input Set : A:\97-63C1 SEQ.txt
 Output Set: N:\CRF3\05212002\J039876A.raw

```

183 Trp Val Phe
184 1
186 <210> SEQ ID NO: 7
187 <211> LENGTH: 3
188 <212> TYPE: PRT
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Motif 5, corresponding to residues 227 to 229 of
193 SEQ ID NO:2
195 <400> SEQUENCE: 7
196 Glu Gly Cys
197 1
199 <210> SEQ ID NO: 8
200 <211> LENGTH: 705
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: z219a Degenerate polynucleotide sequence
W--> 207 <221> NAME/KEY: variation
208 <222> LOCATION: (1)...(705)
209 <223> OTHER INFORMATION: N is any nucleotide
W--> 211 <221> misc_feature
212 <222> LOCATION: (1)...(705)
213 <223> OTHER INFORMATION: n = A,T,C or G
W--> 215 <400> 8
W--> 216 atgmgncnhy tngcnggngg nytnytnaar gtngtnttgy tngtnttgc nwsnytntgy 60
W--> 217 gcntggayw snggnctayyt nytnngcngar ytnathccng aygcncnnyt nwsnwsngcn 120
W--> 218 gcntaywsna thmgmnwsnat hggngarmgn ccngtntytna argcncnct nccnaarmgn 180
W--> 219 caraartgyg aycaytggac nccntgyccn wsngayacnt aygcntaymg nytnytnwsn 240
W--> 220 ggngnggnm gnwsnaarta ygcnaarath tgytgyarg ayaaytnyt natggngar 300
W--> 221 carytnggna aygtngcnmg nggnathaay athgcnathg tnaaytaygt nacnggnaay 360
W--> 222 gtnacngcna cnmgntgyt ygayatgtay gaggngaya aywsngncc natgacnaar 420
W--> 223 ttyathcarw sngcngcncc naarwsnytn ynttaytgg tnacntayga ygayggnwsn 480
W--> 224 acnmgnyntra ayaaygaygc naaraaygcn athgargcny tnggnwsnaa rgarathmgn 540
W--> 225 aayatgaart tymgnwsnws ntgggtntty athgcngcna arggnytnga rytnccnwsn 600
W--> 226 garathcarm gngaraarat haaycaywsn gaygnaara ayaaymgnta ywsnggntgg 660
W--> 227 ccngcngara thcarathga rggntgyath ccnaargarm gnwsn 705
229 <210> SEQ ID NO: 9
230 <211> LENGTH: 19
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Oligonucleotide primer ZC695
237 <400> SEQUENCE: 9
238 gatttaggtg acactatag 19
240 <210> SEQ ID NO: 10
241 <211> LENGTH: 26
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
  
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/21/2002
PATENT APPLICATION: US/10/039,876A TIME: 10:05:36

Input Set : A:\97-63C1 SEQ.txt
Output Set: N:\CRF3\05212002\J039876A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; N Pos. 6,9,12,15,18,21,24,27,33,36,42,45,51,54,57,63,72,75,81,84,87
Seq#:8; N Pos. 93,99,105,108,111,114,117,120,123,129,135,138,144,150,153
Seq#:8; N Pos. 156,159,165,168,171,174,180,201,204,210,213,219,225,231,234
Seq#:8; N Pos. 237,240,243,246,249,252,255,264,288,291,297,306,309,315,318
Seq#:8; N Pos. 321,324,336,342,351,354,357,363,366,369,372,375,396,405,408
Seq#:8; N Pos. 411,417,432,435,438,441,447,450,453,462,465,477,480,483,486
Seq#:8; N Pos. 489,501,510,519,522,525,528,540,555,558,561,567,576,579,585
Seq#:8; N Pos. 588,594,597,600,612,630,636,648,654,657,663,666,684,693,702
Seq#:8; N Pos. 705



Creation date: 21-08-2003

Indexing Officer: KTRIEU - KIM TRIEU

Team: OIPEBackFileIndexing

Dossier: 10039876

Legal Date: 21-08-2003

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1	ECBOX	1

Total number of pages: 1

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